

SECTION 07610
SHEET METAL ROOFING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Pre-finished galvanized steel roofing and associated flashings.
- B. Eave (ice dam) protection.

1.2 SYSTEM DESCRIPTION

- A. Sheet Metal Roofing System: Conform to the criteria of SMACNA "Architectural Sheet Metal Manual."
 - 1. Standing seam roofing.
 - 2. Flashings.

1.3 SUBMITTALS

- A. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, termination, and installation details.
- B. Samples: Submit one sample, 12"x 12" in size of metal roofing illustrating typical seam, external corner, internal corner, valley, junction to vertical dissimilar surface, material, color, and finish.

1.4 STORAGE AND HANDLING

- A. Stack material to prevent twisting, bending, or abrasion, and to provide ventilation.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Fabricator:
 - 1. Vincent Metal Goods Buildings Products Group..
- B. Pre-Finished Galvanized Steel Sheet: ASTM A653-95 G90 24 - gauge hot dipped galvanized steel

2.2 ACCESSORIES

- A. Fasteners: Same material and finish as flashing metal.

2.3 FABRICATION

- A. Form components true to shape, accurate in size, square, and free from distortion or defects. Form pieces in longest practical lengths.

- B. Fabricate cleats and starter strips of same material as sheet and interlockable with sheet. Width as required by manufacturer.
- C. Hem exposed edges on underside, miter and seam corners. Fabricate vertical faces with bottom edge formed outward and hemmed to form drip.
- D. Form joints as required by manufacturer.
- E. Fabricate corners in one piece, long legs; seam for rigidity, seal with sealant.
- F. Form sheet metal pans with upstand, and flanges.

2.4 SHOP FINISHING

- A. As required by manufacturer..

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Verify roof openings, roof penetrations, cant strips and reglets in place, and nailing strips are properly located.
- B. Verify deck is dry and free of snow or ice.
- C. Paint concealed metal surfaces and surfaces in contact with dissimilar metals with protective backing paint.

3.2 INSTALLATION - EAVE (ICE DAM) PROTECTION

- A. Place eave and gable edge metal flashings tight with fascia. Weather lap joints and seal with plastic cement. Secure flange as required by manufacturer.
- B. Apply W.R. Grace Ice and Water Shield or approved equal eave protection in accordance with manufacturer's instructions.
- C. Extend eave protection sheet minimum 6 ft. upslope beyond face of drip edge.

3.3 INSTALLATION - SHEET METAL ROOFING SYSTEM

- A. Install starter and edge strips, and cleats.
- B. Cleat and seam all joints.
- C. Provide fascias.
- D. Space seams at 36 inch OC.
- E. Align seams parallel to eaves.
- F. Seal gutters watertight with sealant.

**DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES**

- G. Insert flashings into reglets to form tight fit. Secure in place. Seal flashings into reglets with sealant.
- H. Secure flashings in place using concealed fasteners. Cleat and seam all joints.
- I. Fit flashings tight in place. Make corners square, surfaces true and straight in planes, and lines accurate to profiles.
- J. Seal metal joints watertight.

END OF SECTION